

CAUTION

On models so equipped, make sure the O-ring seal is aligned with the inner opening of both the bearing and the grease seal on each side. If alignment is not correct the O-ring will be damaged when the front axle is inserted through the front hub.

6. On models so equipped, install the front brake panel into the brake drum.
7. Install the front wheel as described in this chapter.

HANDLEBAR**Removal**

1. On models so equipped, remove the plastic band (A, **Figure 14**) holding the throttle cable and engine stop switch wire to the handlebar.
2. On models so equipped, remove the screw (**Figure 15**) securing the end guard and remove the end guard and right-hand grip.

NOTE

In the following steps carefully lay the throttle assembly and brake cables over the front fender or back over the fuel tank. Be careful that the cables do not get crimped or damaged.

3. On 1982-on ATC110 and ATC125M models, perform the following:

- a. Remove the screws securing the combination engine kill/headlight/starter switch to the handlebar and remove the switch assembly (A, **Figure 16**).

- b. Remove the plastic band holding the electrical wires to the handlebar.

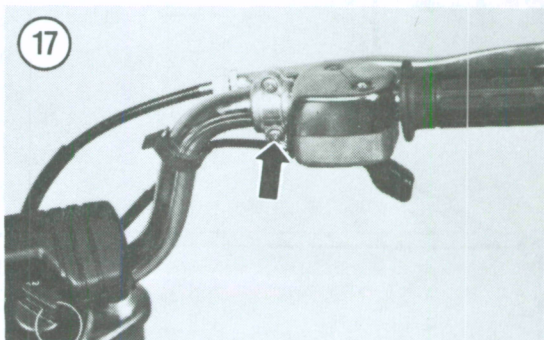
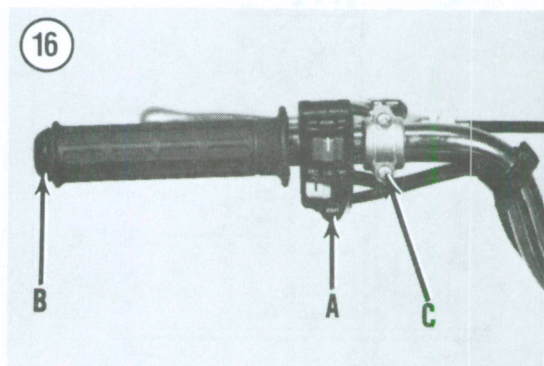
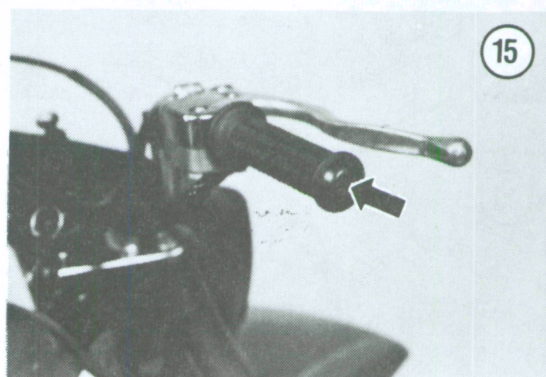
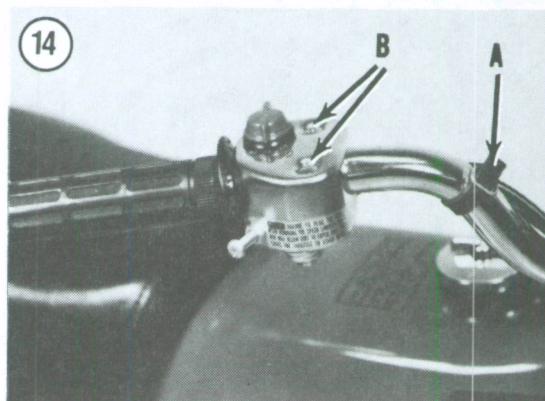
4. Remove the screws (B, **Figure 14**) securing the throttle and (on some models) engine stop switch assembly to the handlebar and remove the assembly.

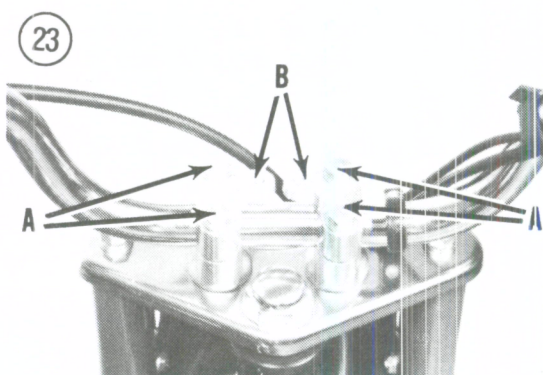
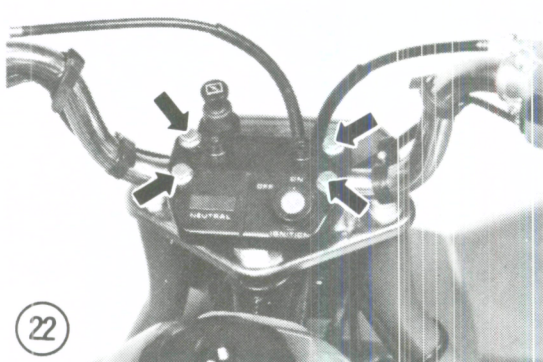
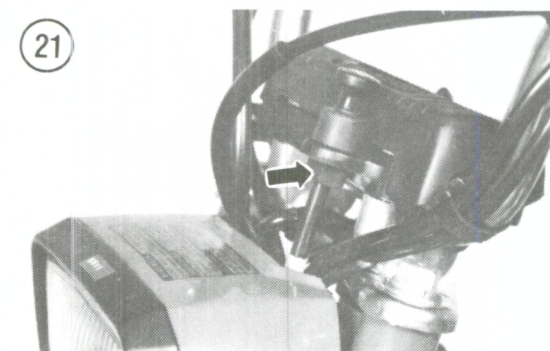
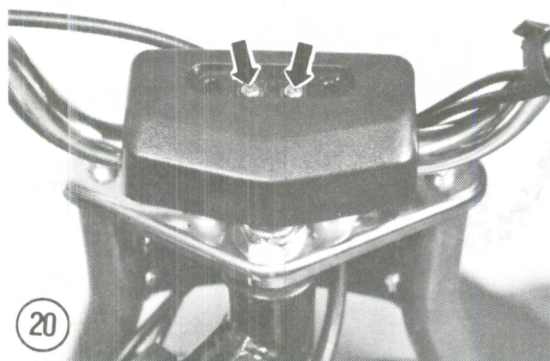
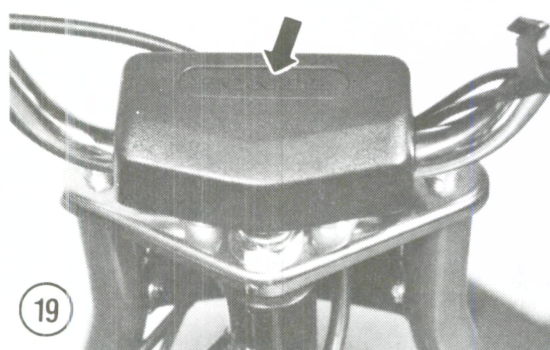
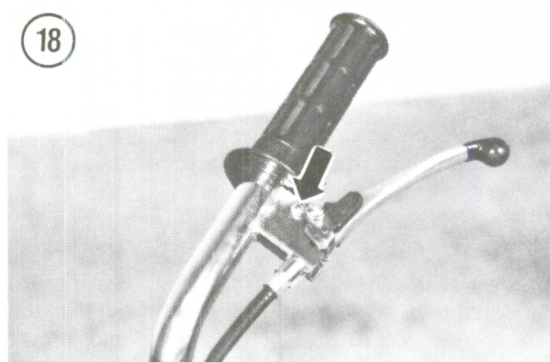
5. On models equipped with a front brake, loosen the clamping bolts (**Figure 17**) on the right-hand brake lever assembly and slide the assembly off the handlebar.

6. Remove the screw securing the end guard and remove the end guard and left-hand grip (B, **Figure 16**).

- 7A. On ATC70 models, remove the pivot bolt (**Figure 18**) and remove the brake hand lever from the handlebar.

- 7B. On all other models, loosen the clamping bolts (C, **Figure 16**) on the left-hand brake lever assembly and slide the assembly off the handlebar.





8. On all 1982-on models, perform the following:
 - a. Using a small screwdriver, remove the small insert nameplate (**Figure 19**).
 - b. Remove the screws (**Figure 20**) securing the handlebar upper cover and remove the cover.
- 9A. On ATC125M models, perform the following:
 - a. Loosen the locknut (**Figure 21**) on the choke cable and remove the choke cable from the handlebar upper holder.
 - b. Carefully pull the neutral indicator light/socket assembly out of the bottom left-hand side of the handlebar upper holder.
 - c. Remove the bolts (**Figure 22**) securing the upper holder and remove the upper holder assembly. Carefully lay the upper holder and ignition switch assembly over the fuel tank or front fender.
 - d. Remove the handlebar.
- 9B. On all other models, perform the following:
 - a. Remove the bolts and washers (A, **Figure 23**) securing the handlebar holders and remove the holders.
 - b. Remove the handlebar.
10. To maintain a good grip on the handlebar and to prevent it from slipping down, clean the knurled section of the handlebar with a wire brush. It should be kept rough so it will be held securely by

the holders. The holders should also be kept clean and free of any metal that may have been gouged loose by handlebar slippage.

Installation

1. Position the handlebar on the lower handlebar holders so the punch mark on the handlebar is aligned with the top surface of the lower handlebar holders (**Figure 24**).

2A. On ATC125M models, perform the following:

- a. Install the upper holder assembly.
- b. Install the bolts and tighten the bolts finger-tight.
- c. Tighten the forward bolts first and then the rear bolts to the torque specification listed in **Table 1**.
- d. Install the neutral indicator bulb/socket assembly into the bottom left-hand side of the handlebar upper holder.
- e. Install the choke cable into the receptacle in the handlebar upper holder and tighten the locknut.

2B. On all 1982-on models, install the upper holders with the "L" (left-hand side) or "R" (right-hand side) mark on the tabs (B, **Figure 23**) to the correct side. The correct placement is necessary so the cover can be attached.

2C. On all other models, install the upper handlebar holders with the punch mark (**Figure 25**) facing toward the front.

3. Install the handlebar washers and bolts. Tighten the forward bolts first and then the rear bolts to the torque specification listed in **Table 1**.

4. After installation is complete, recheck the alignment of the punch mark on the handlebar (**Figure 24**). Readjust if necessary.

5. On all 1982-on models, install the handlebar upper cover and install the screws. Install the small insert nameplate.

6A. On ATC70 models, install the brake hand lever and install the pivot bolt.

6B. On all other models, slide on the left-hand brake lever assembly. Do not tighten the bolt at this time.

7. Slide on the left-hand grip and install the end guard and screw. Tighten the screw securely.

8. On 1982-on ATC110 and ATC125M models, install the combination engine kill/headlight/starter switch onto the left-hand handlebar. Tighten the screws.

9. On all models except the ATC70 and ATC125M, after the left-hand grip has been installed, slide the left-hand brake assembly to within 15 mm (0.6 in.) of the end of the hand grip.

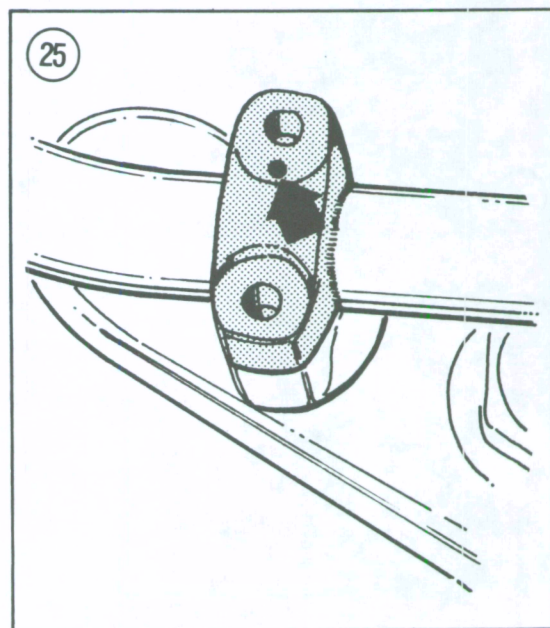
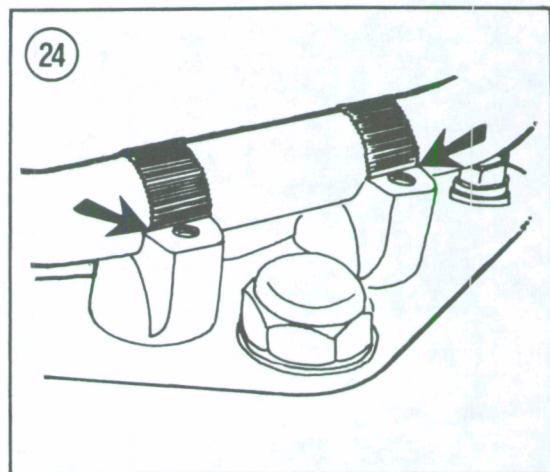
10. On all models except the ATC70, position the left-hand brake lever approximately 20° down from true horizontal (**Figure 26**). Tighten the clamping bolt(s).

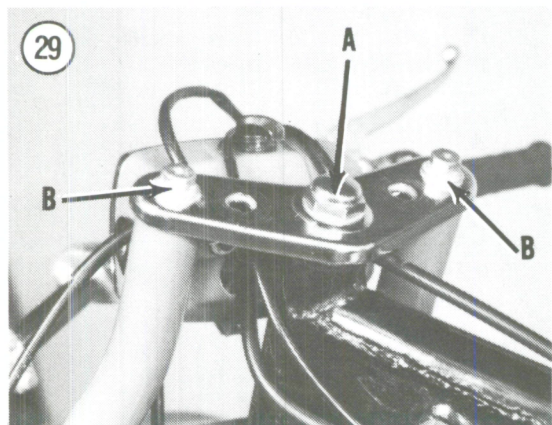
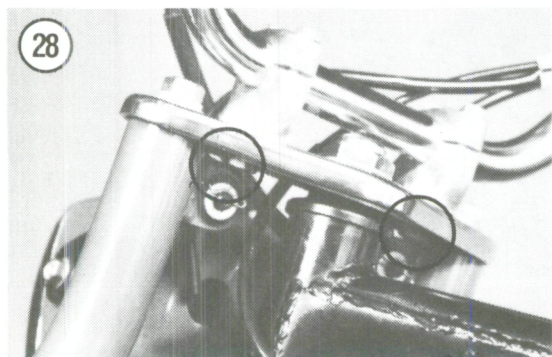
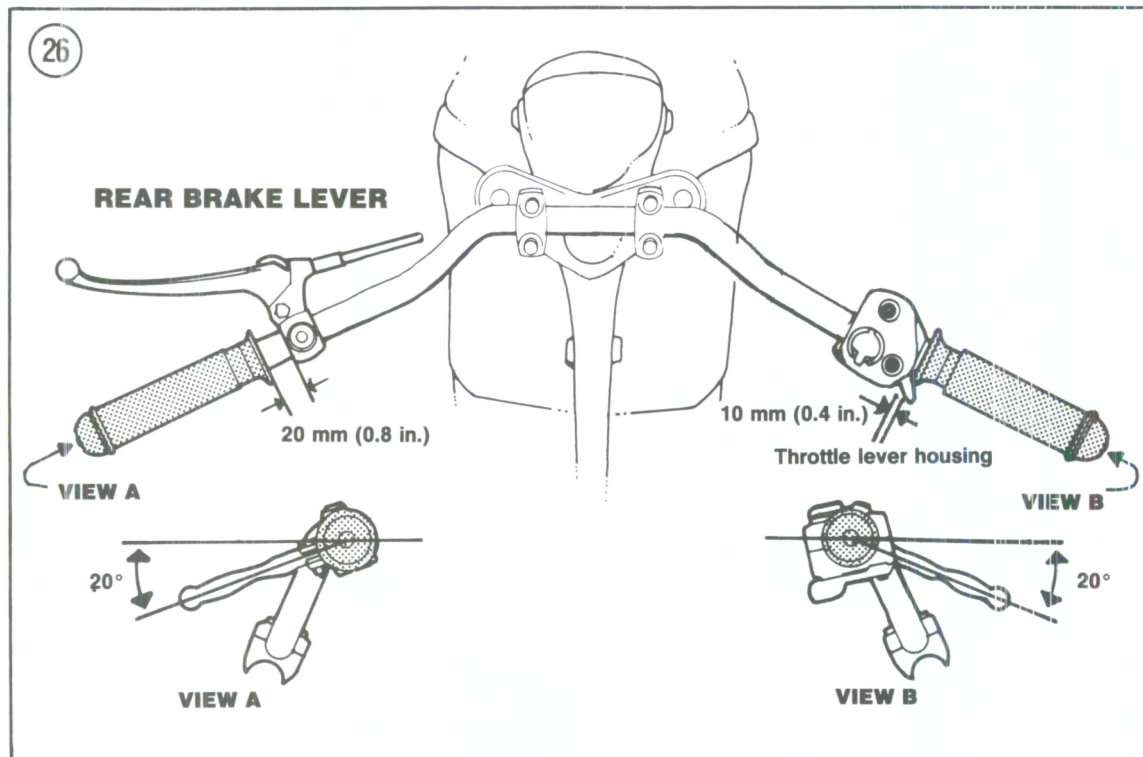
11. On models equipped with a front brake, slide on the right-hand brake lever assembly. Do not tighten the bolts at this time.

12. Slide on the right-hand grip and install the end guard and screw. Tighten the screw securely.

13. Install the throttle and (on some models) the engine stop switch assembly onto the handlebar. Slide it to within 10 mm (0.4 in.) of the end of the hand grip. Tighten the screws.

14. After the right-hand grip and throttle and engine stop switch assembly have been installed,





slide the right-hand brake assembly directly against the throttle and (on some models) the engine stop switch assembly and position it approximately 20° down from true horizontal (Figure 26). Tighten the clamping bolt.

15. On models so equipped, install the plastic bands holding the throttle and engine stop switch wires to the handlebar.

FRONT FORK AND STEERING HEAD

The front fork and steering stem are one integral unit and are removed as an assembly. The front fork is rigid without the assist of hydraulics or springs.

Removal

Refer to Figure 27 for this procedure.

1. Remove the front wheel as described in this chapter.
2. Remove the front fender.
3. Remove the nut and lockwashers securing the lower handlebar holders (Figure 28) and remove the handlebar assembly.
4. Disconnect the electrical wires to the headlight assembly. If so desired the headlight assembly can be removed as described in Chapter Seven.
5. Remove the steering stem nut and washer (A, Figure 29).

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